

Converting Colors

R_YB(87, 117, 82)

Have a look what the booklet for
RYB(87, 117, 82) contains.

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Color

R_YB(87, 117, 82)

Conversions

Conversions Part 1

Format	Color
Hex	757152
RGB	117, 113, 82
RGB Percent	46%, 44%, 32%
CMY	0.5412, 0.5583, 0.6784
CMYK	0.00, 0.04, 0.30, 0.54
HSL	52°, 18%, 39%
HSV	52°, 30%, 46%
XYZ	14.7225, 16.1179, 10.3177
YIQ	110.6620, 12.3350, -8.7930

Conversions

Conversions Part 2

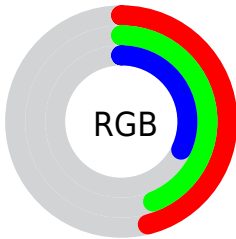
Format	Color
RYB	87, 117, 82
Decimal	7696722
CIELab	47.13, -3.58, 17.66
CIELCh	47, 18.021, 101.465
Yxy	16.1179, 0.3577, 0.3916
Android (android.graphics.Color)	4285886802 (0xFF757152)
YUV	110.6620, -14.1304, 5.5584
Hunter-Lab	40.1470, -4.7989, 12.8655

Details

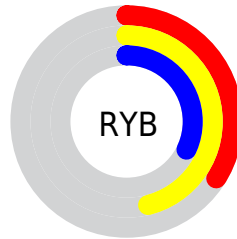
The RYB color **87, 117, 82** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **82, 86, 117**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **138, 170, 132**, and **40, 68, 37** is the 20% darker color. If you saturate the color by 10%, you get **77, 117, 70**, and if you desaturate by 10%, it is **97, 117, 94**.

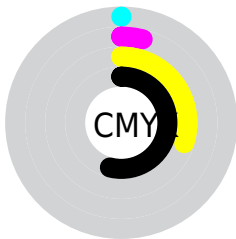
Distribution



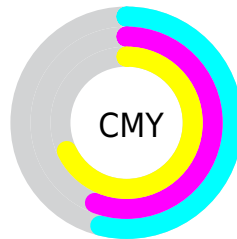
- Red (46%)
- Green (44%)
- Blue (32%)



- Red (34%)
- Yellow (46%)
- Blue (32%)



- Cyan (0%)
- Magenta (4%)
- Yellow (30%)
- Black (54%)



- Cyan (54%)
- Magenta (56%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 117, 82 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 87, 117, 82 by changing the saturation by 10% instead.

87, 117, 82

255, 255, 255

139, 170, 132

165, 197, 158

192, 225, 185

219, 254, 212

241, 255, 241

87, 117, 82

64, 92, 59

40, 68, 37

18, 45, 16

1, 24, 0

0, 0, 0

87, 117, 82

77, 117, 70

67, 117, 59

87, 117, 82

97, 117, 94

106, 117, 105

■ 57, 117, 47

■ 117, 117, 117

■ 46, 117, 35

■ 117, 118, 129

■ 38, 117, 24

■ 117, 120, 141

■ 27, 117, 12

■ 117, 121, 152

■ 17, 117, 0

■ 117, 122, 164

■ 117, 123, 176

■ 117, 125, 187

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



127, 131, 83



87, 117, 82



89, 117, 106

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87, 117, 82



69, 97, 131



136, 102, 122

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87, 117, 82



82, 86, 117

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121, 106, 134



87, 117, 82



81, 103, 140

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87, 117, 82



70, 96, 120



101, 109, 141



143, 101, 106

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 117, 82



88, 112, 119



101, 109, 141



132, 103, 126

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87, 117, 82



141, 153, 139



117, 82, 87



71, 77, 68



204, 204, 204



77, 77, 77

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 117, 82



106, 153, 98



82, 117, 95



54, 59, 53



17, 122, 0



35, 250, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82, 86, 117



98, 104, 153



95, 82, 117



53, 54, 59



0, 13, 122



0, 28, 250

Previews

White Background



This preview shows how the RYB color 87, 117, 82 looks on a white background.

Color Contrast Check

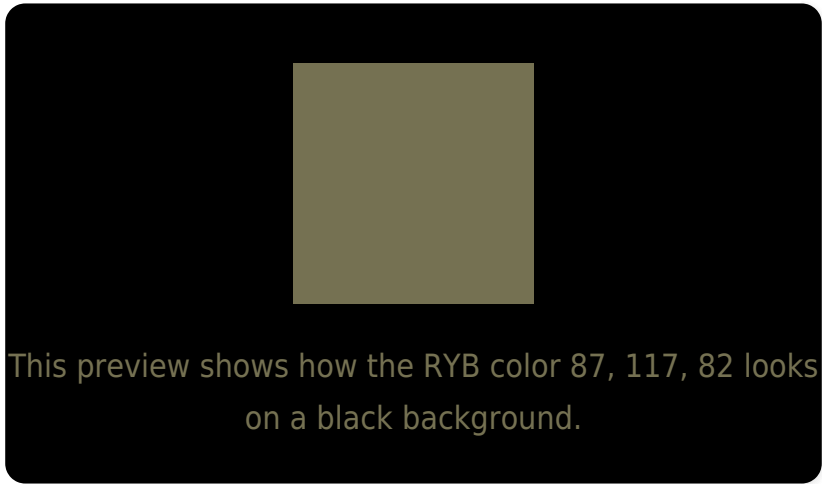
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

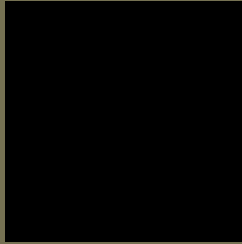
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 87, 117, 82 Background



This preview shows how black text looks on a background with the R Y B color 87, 117, 82.



This preview shows how white text looks on a background with the R Y B color 87, 117, 82.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


87, 117, 82

Protanopia

92, 120, 82

Deuteranopia

132, 130, 83



Tritanopia
121, 108, 117

Trichromacy



Original Color
87, 117, 82

Protanomaly
91, 119, 82

Deuteranomaly
113, 127, 83

Tritanomaly
120, 114, 104

Monochromacy



Original Color
87, 117, 82

Achromatopsia
110, 110, 110

Achromatomaly
102, 113, 100

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 117, 82 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(117, 113, 82)` looks like.

```
.text, #text, p{  
    color:rgb(117, 113, 82)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(117, 113, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 113, 82) }
```

Border

The CSS property to change the border of an element to RYB 87, 117, 82 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 113, 82) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(117, 113, 82) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(117, 113, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 113, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 113, 82);  
box-shadow:4px 4px 4px 4px rgb(117, 113,  
82) }
```

Background

The CSS property to change the background color of an element to RGB 117, 113, 82 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 113, 82) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(117,  
113, 82) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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